



special coatings

cerid 45N

Characteristics - The cerid 45N coating has already proven itself over decades as a wear-resistant coating on more than 150,000 implants. The titanium-niobium-based coating is biocompatible and corrosion-resistant.

Application examples:

- Medical implants
- Surgical instruments
- Grinding discs



Product specific advantages:

- High corrosion resistance
- High wear resistance
- Biocompatibility
- Decorative surfaces

Technical specifications

coating material	titanium niobium nitride
average layer thickness	2 – 5 µm
colour	bright gold
hardness*	1400 – 2000 HV
application temperature	< 500 °C
friction coefficient*	0.2 – 0.4
FDA approval	to be checked in advance individually

Remark - The information provided in this data sheet is based on current technical knowledge and experience. No legally binding assurance of specific properties or suitability for a specific application can be derived from this information.

* Determined in laboratory tests under specified conditions on prepared substrate sheets